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Vaughn W. North
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May 2, 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. Patent Application No. 10/575,672 filed April 10, 2006
Applicant: James Croft, III
Title: **Parametric Loudspeaker System and Method for Enabling Isolated Listening to Audio Material**
Group Art Unit:
Attorney Docket No.: 00025-22151.PCT.US

Sir/Madam:

Transmitted herewith for filing and pursuant to 37 C.F.R. §§ 1.56 and 1.97 is an Information Disclosure Statement. Enclosed also are the following designated documents, as required under 37 C.F.R. §§ 1.97 and 1.98:

- Form PTO/SB/08A and PTO/SB/08B list of 175 references submitted for consideration.
- Legible copies of the listed non-patent documents, unpublished U.S. applications and foreign documents or their relevant portions are included.
- All English translations of each non-English reference, if any, within the possession, custody, control or availability of anyone designated in 37 C.F.R. § 1.56(c) (see 37 C.F.R. § 1.98(c)).

The following are included within the Information Disclosure Statement if applicable and as required under 37 C.F.R. § 1.98:

- Concise explanation of relevance of each reference not in English and unaccompanied by an English translation.

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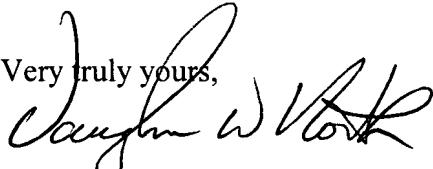
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- Statement that certain listed references not enclosed are substantially cumulative of an enclosed reference.
- Statement that certain listed references not enclosed were previously cited by or submitted to the Office in prior application no. _____, filed on _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

In order to secure consideration of the items designated above, one or more of the following, if required, is also enclosed:

- Statement under 37 C.F.R. § 1.97(e)(1) or (2).
- Check No. _____, which includes the amount of \$____ (amount in § 1.17(p)) constituting the submission fee set forth in 37 C.F.R. § 1.17(p).

In the event that 37 C.F.R. § 1.97(c) applies and the Examiner is not satisfied that the Statement meets the requirements of 37 C.F.R. § 1.97(e), or in any other event remediable by a fee, please credit any over payment or charge any additional fees to Deposit Account No. 20-0100 of the undersigned.

Very truly yours,

Vaughn W. North
Attorney for Applicant
Registration No. 27,930

THORPE NORTH & WESTERN, LLP
Customer No. 20,551
P.O. Box 1219
Sandy, Utah 84091-1219
Telephone: (801) 566-6633

VN/st



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

ART UNIT:	<u>CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8</u>
EXAMINER:	DATE OF DEPOSIT: <u>MAY 23, 2007</u>
APPLICANT: CROFT, JAMES J. III	I hereby certify that this paper or fee (along with any paper or fee referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
SERIAL NO.: 10/575,672	<u>SPM</u> _____ Stacia Pentz
FILED: April 10, 2006	
CONFIRM. NO.:	
FOR: PARAMETRIC LOUDSPEAKER SYSTEM AND METHOD FOR ENABLING ISOLATED LISTENING TO AUDIO MATERIAL	
DOCKET NO.: 00025-22151.PCT.US	

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir/Madam:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form **PTO/SB/08A and PTO/SB/08B** which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). Applicant respectfully submits that this Information Disclosure statement is filed pursuant to:

37 C.F.R. § 1.97(b)(1) or (3), within three months of the filing date of the application, or before a first office action on the merits, whichever occurs last;

37 C.F.R. § 1.97(c), after a first office action on the merits, but before a Final Office Action or a Notice of Allowance, whichever occurs first, and is accompanied by either 1) a statement in accordance with 37 C.F.R. § 1.97(e), or 2) the fee set forth in 37 C.F.R. § 1.17(p); or

37 C.F.R. § 1.97(d), after a Final Office Action or Notice of Allowance, whichever occurs first, but on or before payment of the issue fee, and is accompanied by both 1) a statement in accordance with 37 C.F.R. § 1.97(e), and 2) the fee set forth in 37 C.F.R. § 1.17(p).

While no representation is made that any of these references may be "prior art" within the meaning of that term in accordance with 37 C.F.R. §§ 102 or 103, the enclosed list of references is disclosed so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the references listed, together with any other references which may have been previously submitted or listed, are the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

A legible copy of each of the listed non-patent literature, unpublished U.S. applications, and foreign documents or their relevant portions is enclosed.

Copies of the references listed in the accompanying Form PTO/SB/08A and PTO/SB/08B are NOT enclosed because, under 37 C.F.R. § 1.98.(d), they were previously cited by or submitted to the Office in application number , which is relied upon for an earlier filing date under 37 C.F.R. § 1.20.

For all listed references that are not either in the English language, or accompanied by a translation into English, a concise explanation of relevance as required under 37 C.F.R. § 1.98(a)(3) is enclosed attached to each.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or to credit any overpayment to Deposit Account No. 20-0100.

Dated MAY 23, 2007.

Very truly yours,



Vaughn W. North
Attorney for Applicant
Registration No. 27,930

THORPE NORTH & WESTERN, LLP
Customer No. 20,551
P.O. Box 1219
Sandy, Utah 84091-1219
(801) 566-6633

VN/st
Enclosures



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/575,672
		Filing Date	04/10/06
		First Named Inventor	James Croft
		Art Unit	
Examiner Name			
Sheet	of	Attorney Docket Number	00025-22151.PCT.US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
1		1,616,639	2/8/27	Sprague	
2		1,764,008	6/17/30	Crozier	
3		1,799,053	3/31/31	Mache	
4		1,809,754	6/9/31	Steedle	
5		1,951,669	3/20/34	Ramsey	
6		1,983,377	12/4/34	Kellogg	
7		2,461,344	2/8/49	Olson	
8		2,855,467	10/7/58	Curry	
9		2,872,532	2/3/59	Buchmann et al	
10		2,935,575	5/3/60	Bobb	
11		2,975,243	3/14/61	Katella	
12		2,975,307	3/14/61	Schroeder et al	
13		3,008,013	11/7/61	Williamson et al	
14		3,012,222	12/5/61	Hagemann	
15		3,136,867	6/9/64	Brettell	
16		3,345,469	10/3/67	Rod	
17		3,373,251	3/12/68	Seeler	
18		3,389,226	6/18/68	Peabody	
19		3,398,810	8/27/68	Clark III	
20		3,461,421	8/12/69	Stover	
21		3,544,733	12/1/70	Reylek	
22		3,612,211	10/12/71	Clark III	
23		3,613,069	10/12/71	Cary, Jr.	
24		3,654,403	4/4/72	Bobb, deceased	
25		3,674,946	7/4/72	Winey	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ – Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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		Filing Date	04/10/06
		First Named Inventor	James Croft
		Art Unit	
Examiner Name			
Sheet	of	Attorney Docket Number	00025-22151.PCT.US

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		Number-Kind Code ² (if known)			
26		3,710,332	1/9/73	Tischner et al	
27		3,723,957	3/27/73	Damon	
28		3,742,433	6/26/73	Kay et al	
29		3,787,642	1/22/74	Young Jr.	
30		3,821,490	6/28/74	Bobb	
31		3,829,623	8/13/74	Willis et al	
32		3,833,771	9/3/74	Collinson	
33		3,836,951	9/17/74	Geren et al	
34		3,892,927	7/1/75	Lindenberg	
35		3,919,499	11/11/75	Winey	
36		3,941,946	3/2/76	Kawakami et al	
37		3,997,739	12/14/76	Kishikawa et al	
38		4,015,089	03/29/77	Ishii et al.	
39		4,056,742	11/1/77	Tibbetts	
40		4,064,375	12/20/77	Russell et al	
41		4,160,882	7/10/79	Driver	
42		4,207,571	6/10/80	Passey	
43		4,210,786	7/1/80	Winey	
44		4,242,541	12/30/80	Ando	
45		4,245,136	1/13/81	Krauel, Jr.	
46		4,284,921	8/18/81	Lemonon et al	
47		4,289,936	9/15/81	Civitello	
48		4,295,214	10/13/81	Thompson	
49		4,322,877	4/6/82	Taylor	
50		4,378,596	3/29/83	Clark	
51		4,385,210	5/24/83	Marquiss	
52		4,418,404	11/29/83	Gordon et al	
53		4,419,545	12/6/83	Kuindersma	
54		4,429,193	1/31/84	Busch-Vishniac et al	

FOREIGN PATENT DOCUMENTS					
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		Filing Date	04/10/06
		First Named Inventor	James Croft
		Art Unit	
Examiner Name			
Sheet	of	Attorney Docket Number	00025-22151.PCT.US

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		Number-Kind Code ² (if known)			
55		4,434,327	2/28/84	Busch-Vishniac et al	
56		4,439,642	3/27/84	Reynard	
57		4,471,172	9/11/84	Winey	
58		4,480,155	10/30/84	Winey	
59		4,550,228	10/29/85	Walker et al	
60		4,558,184	12/10/85	Busch-Vishniac et al	
61		4,593,160	6/3/86	Nakamura	
62		4,593,567	6/10/86	Isselstein et al	
63		4,600,891	07/1986	Taylor, Jr. et al.	
64		4,672,591	6/9/87	Breimesser et al	
65		4,695,986	9/22/87	Hossack	
66		4,751,419	6/14/88	Takahata	
67		4,784,915	11/15/88	Sakagami et al.	
68		4,803,733	2/7/89	Carver et al	
69		4,823,908	4/25/89	Tanaka et al	
70		4,837,838	6/6/89	Thigpen et al	
71		4,885,781	12/5/89	Seidel	
72		4,887,246	12/12/89	Hossack et al	
73		4,888,086	12/19/89	Hossack et al	
74		4,903,703	2/27/90	Igarashi et al	
75		4,908,805	3/13/90	Sprenkels et al	
76		4,939,784	7/3/90	Bruney	
77		4,991,148	2/5/91	Gilchrist	
78		5,054,081	10/1/91	West	
79		5,095,509	03/1992	Volk	
80		5,115,672	5/26/92	McShane et al	
81		5,142,511	8/25/92	Kanai et al	
82		5,153,859	10/6/92	Chatigny et al	
83		5,287,331	2/15/94	Shindel et al	

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Examiner Signature				Date Considered		

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84		5,317,543	5/31/94	Grosch	
85		5,357,578	10/18/94	Taniishi	
86		5,392,358	2/21/95	Driver	
87		5,430,805	7/4/95	Stevenson et al	
88		5,487,114	1/23/96	Dinh	
89		5,539,705	07/1996	Akerman et al.	
90		5,638,456	6/10/97	Conley et al	
91		5,700,359	12/23/97	Bauer	
92		5,767,609	06/16/98	Suganuma	
93		5,745,582	04/1998	Shimpuku et al.	
94		5,758,177	05/1998	Gulick et al.	
95		5,859,915	1/12/99	Norris	
96		5,885,129	3/23/99	Norris	
97		5,889,870	3/30/99	Norris	
98		5,892,315	04/06/99	Gipson et al.	
99		5,982,805	11/09/99	Kaneda	
100		6,011,855	1/4/00	Selfridge et al	
101		6,044,160	03/28/00	Norris	
102		6,108,427	8/22/00	Norris et al	
103		6,064,259	05/2000	Takita	
104		6,151,398	11/21/00	Norris	
105		6,188,772	2/13/01	Norris et al	
106		6,229,899	5/8/01	Norris et al	
107		6,232,833	05/2001	Pullen	
108		6,304,662	10/16/01	Norris et al	
109		6,359,990	03/2002	Norris	
110		6,378,010	04/2002	Burks	
111		6,445,804	09/2002	Hirayanagi	
112		6,556,687	04/290/3	Manabe	
113		6,768,376	07/2004	Hoyt et al.	

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<p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p>		Complete if Known	
		Application Number	10/575,672
		Filing Date	04/10/06
		First Named Inventor	James Croft
		Art Unit	
		Examiner Name	
Sheet	of	Attorney Docket Number	00025-22151.PCT.US

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		Application Number	10/575,672
		Filing Date	4/10/2006
		First Named Inventor	CROFT, JAMES J. III
		Art Unit	
		Examiner Name	
Sheet	of	Attorney Docket Number	00025-22151.PCT.US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	ULTRASONIC RANGING SYSTEM by Polaroid Corporation	
	2	EXCERPTS FROM ON COMBINATION TONES by Helmholtz, Editor's Comments on Paper 16, pages 228-238	
	3	AOKI, KENICHI et al. "PARAMETRIC LOUDSPEAKER - CHARACTERISTICS OF ACOUSTIC FIELD AND SUITABLE MODULATION OF CARRIER ULTRASOUND, Electronics and Communications in Japan, Part 3, Vol. 74, No. 9, pp. 76-82 (1991)	
	4	MAKAROV, et al. "PARAMETRIC ACOUSTIC NONDIRECTIONAL RADIATOR", Acustica, Vol. 77, pp. 240-242 (1992)	
	5	YONEYAMA, et al., THE AUDIO SPOTLIGHT: AN APPLICATION OF NONLINEAR INTERACTION OF SOUND WAVES TO A NEW TYPE OF LOUDSPEAKER DESIGN, J. Acoustical Society of America 73(5), May 1983, pages 1532-1536	
	6	CRANDALL, I.B. "The Air-Damped Vibrating System: Theoretical Calibration of the Condenser Transmitter, American Physical Society, Dec. 28, 1917, pages 449-460	
	7	Peter J. W., "PARAMETRIC ACOUSTIC ARRAY", The Journal of the Acoustical Society of America, Volume 35, Number 1, April 1963, pages 535-537	
	8	Wagner, Ronald, ELECTROSTATIC LOUDSPEAKER DESIGN AND CONSTRUCTION, Chapters 4 and 5, pages 59-91, Audio Amateur Press Publishers, 1993	
	9	BERKTAY, H.O. "POSSIBLE EXPLOITATION OF NON-LINEAR ACOUSTICS IN UNDERWATER TRANSMITTING APPLICATIONS", Department of Electronic and Electrical Engineering University of Birmingham, Edgbaston, Birmingham 15, England (Received April 13, 1965)	
	10	BERKTAY, H.O. et al. "Arrays of Parametric Receiving Arrays," The Journal of the Acoustical Society of America, pp. 1377-1383.	

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Substitute for form 1449/PTO		Application Number	10/575,672	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	4/10/2006	
<i>(Use as many sheets as necessary)</i>		First Named Inventor	CROFT, JAMES J. III	
		Art Unit		
		Examiner Name		
Sheet	of	Attorney Docket Number	00025-22151.PCT.US	

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	11	PIWNICKI, KONRAD, "Modulation Methods Related to Sine-Wave Crossings" IEEE Transactions on Communications, 1983, pgs. 503-508, Vol. COM-31, No. 4.		T ²
	12	MARVASTI, FAROKH, "Modulation Methods Related to Sine Wave Crossings" IEEE Transactions on Communications, 1985, pgs. 177-178, Vol. COM-33, No 2.		
	13	Pompei; The Use of Airborne Ultrasonics for Generating Audible Sound Beams; Presented at the 105th Convention 1998 September 26-29.		
	14	MOFFETT et al. "Model for parametric acoustic sources." J. Acoust. Soc. Am., Feb 1977, pgs. 325-337, Vol. 61. No. 2		
	15	Kamakura, et al.; Suitable Modulation of the Carrier Ultrasound for Parametric Loudspeaker; Acustica Vol. 73 (1991)		
	16	Berkay, et al.; Nearfield effects in end-fire line arrays; The Journal of the Acoustical Society of America; 1973; pgs. 550-556		
	17	KAMAKURA et al. "Developments of Parametric Loundspeaker for Practical Use." 10th International Symposium on Nonlinear Acoustics, 1984, pages 147-150.		
	18	Muir, et al.; Parametric Acoustic Transmitting Arrays; The Journal of the Acousticval Society of America; 1972; pgs. 1481 – 1485		
	19	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 2 pages.		
	20	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 11 pages.		

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